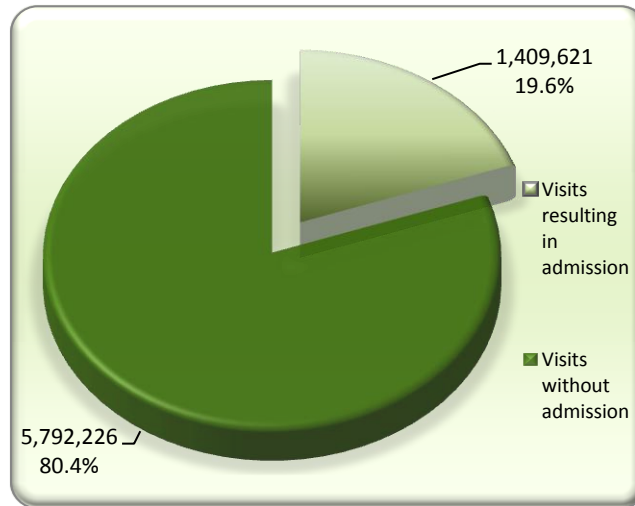


EMERGENCY DEPARTMENT SUMMARY, 2007

The Florida Center for Health Information and Policy Analysis (FCHIPA) within the Agency for Health Care Administration (AHCA) began the collection of Emergency Department (ED) data for the State of Florida in 2005. In 2007, there were 5,792,226 visits to the Emergency Departments that did not result in admission to the hospital. This reflected an increase of 43,851 visits since AHCA started collecting data in 2005 (5,748,375). There was also an increase of patient visits in this year which resulted in an inpatient admission for a total of 1,409,621. The number of visits for 2005 that resulted in admission was 1,353,336. The total ED patient visits to the emergency departments in 2007 was 7,201,847, an increase of 100,136 visits since 2005 (7,101,711). (See Figure 1 for representation of ED visits in 2007).

Figure 1
Number of Emergency Department Visits by Category, 2007



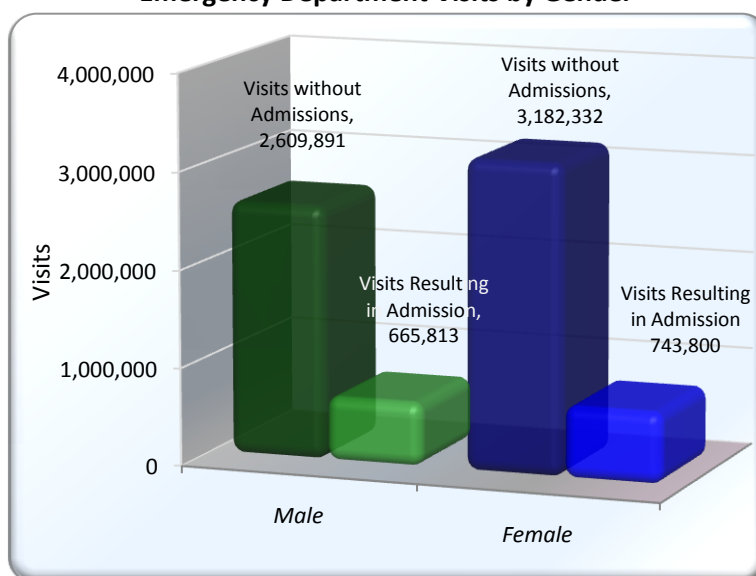
Women had the highest percentage of visits without admission to the hospital, at 54.9% (3,182,332); however, men ED utilization was at an earlier age than women. Overall, the total average age of the ED population was 34 years old. Women also accounted for the highest percentage of visits that resulted in an inpatient admission (52.8%). (Table 1 and Figure 2)

Table 1
Visits to the Emergency Department by Gender, 2007

Gender	Visits without Admission			Visits that Resulted in an Inpatient Admission			Total Visits	
	Visits	Percent	Average Age	Visits	Percent	Average Age	Visits	Percent
Male	2,609,891	45.1%	33	665,813	47.2%	57	3,275,704	45.5%
Female	3,182,332	54.9%	35	743,800	52.8%	60	3,926,132	54.5%
Total	5,792,226	100.0%	34	1,409,621	100.0%	59	7,201,847	100.0%

Note: Numbers may not add to total due to unclassified records.

Figure 2
Emergency Department Visits by Gender



Note: Numbers may not add to total due to unclassified records.

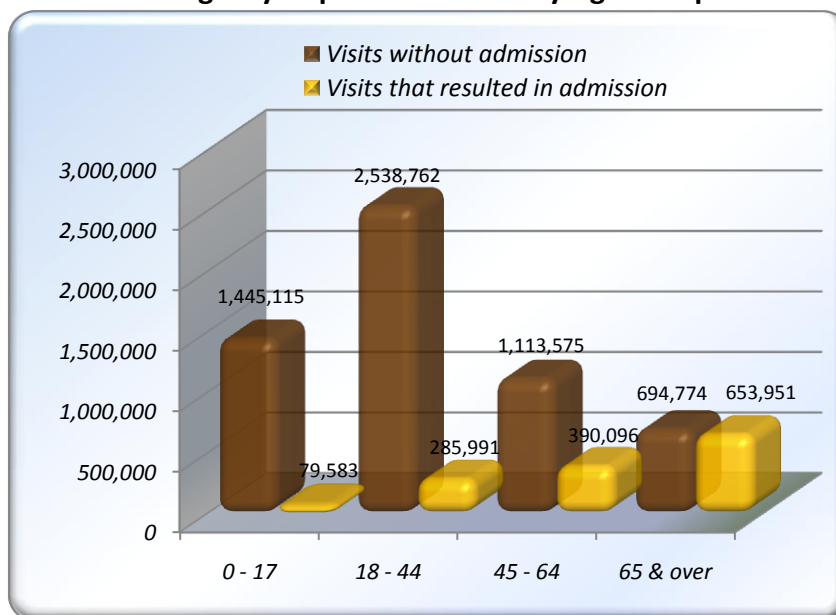
The largest number of Emergency Department visits in 2007 that did not result in admission to the hospital, was among those 18 – 44 years, at 43.8% of the total visits. However, for those visits that resulted in an admission to the hospital, the largest number was among those 65 & over, at 46.4%. (Table 2 and Figure 3)

Table 2
Visits to the Emergency Department by Age Group, 2007

Age Group	Visits without Admission to the Hospital		Visits that Resulted in an Inpatient Admission		Total Visits
	Visits	Percent (%)	Visits	Percent (%)	
0 - 17	1,445,115	24.9%	79,583	5.6%	1,524,698
18 - 44	2,538,762	43.8%	285,991	20.3%	2,824,753
45 - 64	1,113,575	19.2%	390,096	27.7%	1,503,671
65 & over	694,774	12.0%	653,951	46.4%	1,348,725
Total	5,792,226	100.0%	1,409,621	100.0%	7,201,847

Note: Numbers may not add to total due to unclassified records.

Figure 3
Emergency Department Visits by Age Groups



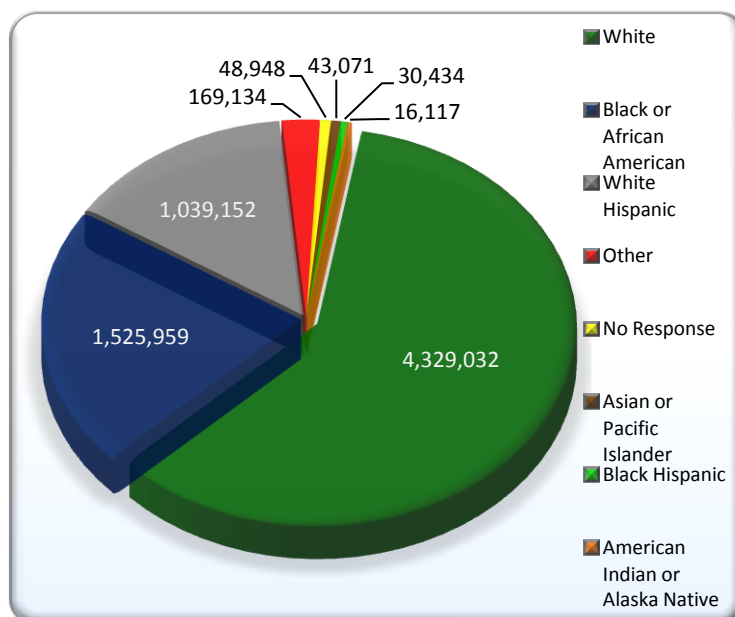
White patients accounted for the highest percentage of Emergency Department visits without admission to the hospital, at 58.5% (3,387,657) in 2007. For visits that resulted in an inpatient admission, *White* patients also accounted for the highest number, at 66.8%. (Table 3 and Figure 4)

Table 3
Emergency Department Visits by Race/Ethnicity, 2007

Race	Visits without Admission to the Hospital			Visits that Resulted in an Inpatient Admission			Total Visits
	Visits	Percent (%)	Average Age	Visits	Percent (%)	Average Age	
White	3,387,657	58.5%	38	941,375	66.8%	63	4,329,032
Black or African American	1,288,135	22.2%	29	237,824	16.9%	49	1,525,959
White Hispanic	859,807	14.8%	27	179,345	12.7%	52	1,039,152
Other	140,472	2.4%	28	28,662	2.0%	53	169,134
No Response	42,169	0.7%	32	6,779	0.5%	55	48,948
Asian or Pacific Islander	35,028	0.6%	32	8,043	0.6%	53	43,071
Black Hispanic	26,174	0.5%	28	4,260	0.3%	48	30,434
American Indian or Alaska Native	12,784	0.2%	31	3,333	0.2%	44	16,117
Total	5,792,226	100.0%	34	1,409,621	100.0%	59	7,201,847

Note: Numbers may not add to total due to unclassified records.

Figure 4
Total Emergency Department Visits by Race/Ethnicity, 2007



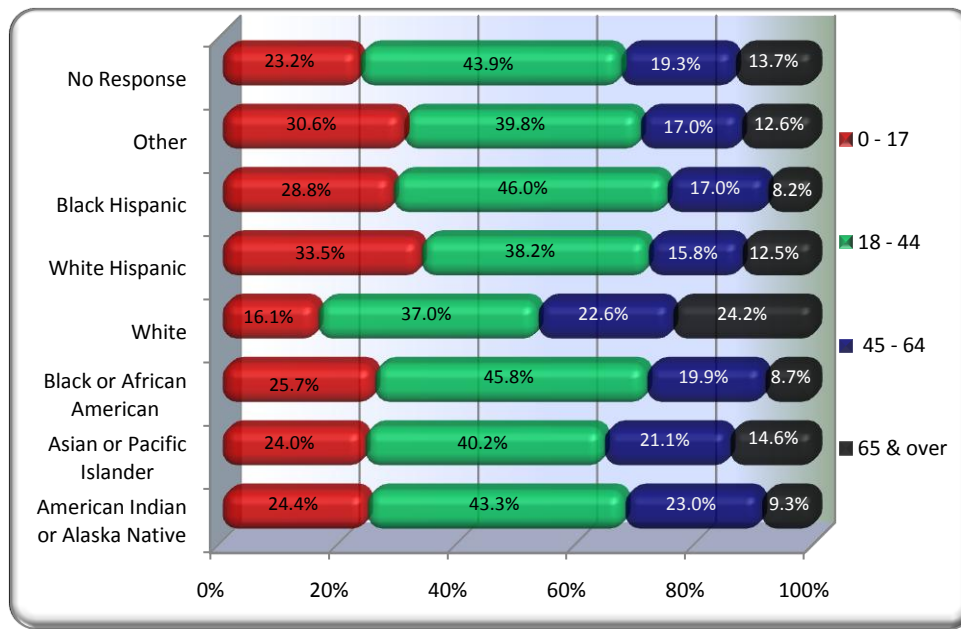
The highest numbers of visits was among *White* patients' ages 18 – 44 (1,602,488). *White* patients' ages 65 and over accounted for the second highest number of visits (1,047,485). (Table 3.1 and Figure 4.1)

Table 3.1
Emergency Department Visits by Age Group and Race/Ethnicity, 2007

Age Group	Race							Total Visits
	American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	White	White Hispanic	Black Hispanic	Other	
0 - 17	3,939	10,354	391,817	698,667	348,091	8,772	51,710	1,524,698
18 – 44	6,985	17,336	698,309	1,602,488	396,855	14,003	67,297	2,824,753
45 – 64	3,702	9,099	303,145	980,392	163,987	5,164	28,753	1,503,671
65 & over	1,491	6,282	132,688	1,047,485	130,219	2,495	21,374	1,348,725
Total	16,117	43,071	1,525,959	4,329,032	1,039,152	30,434	169,134	7,201,847

Note: Numbers may not add to total due to unclassified records.

Figure 4.1
Distribution of all Emergency Department Visits by Age Group and Race/Ethnicity, 2007



Note: Numbers may not add to total due to unclassified records.

The total charges for services provided at the Emergency Departments that did not result in an inpatient hospitalization in 2007, was over 12 billion dollars. *Commercial Insurance* accounted for the largest amount of the total charges and visits. The age group 18 – 44 had the highest charges overall. *Self Pay and Charity* accounted for the second highest number of visits and second largest amount of total charges. (Table 4)

Table 4
Emergency Department Discharges by Principal Payer, 2008

Payer	0 - 17		18 – 44		45 - 64		65 & over		TOTAL	
	Visits	Total Charges	Visits	Total Charges	Visits	Total Charges	Visits	Total Charges	Visits	Total Charges
CHAMPUS	26,057	\$32,289,132.00	35,372	\$78,056,774.00	20,923	\$60,795,941.00	1,108	\$2,510,484.00	83,460	\$173,652,331.00
Commercial Insurance	438,635	\$613,944,881.00	825,016	\$2,092,786,700.00	474,276	\$1,434,462,708.00	56,893	\$172,334,619.00	1,794,820	\$4,313,528,908.00
KidCare	23,830	\$31,094,852.00	2,667	\$4,474,613.00	316	\$492,462.00	21	\$75,395.00	26,834	\$36,137,322.00
Medicaid	683,467	\$730,015,558.00	438,202	\$899,994,206.00	108,927	\$288,814,354.00	7,983	\$29,943,272.00	1,238,579	\$1,948,767,390.00
Medicare	4,630	\$5,251,307.00	81,707	\$184,013,966.00	149,728	\$407,277,212.00	605,514	\$1,934,949,292.00	841,579	\$2,531,491,777.00
Other State/Local Government	10,194	\$16,453,436.00	29,993	\$75,755,804.00	19,865	\$55,624,242.00	1,997	\$5,357,310.00	62,049	\$153,190,792.00
Self Pay & Charity	255,417	\$272,718,003.00	1,047,775	\$2,064,032,359.00	296,300	\$716,572,404.00	16,491	\$45,043,892.00	1,615,983	\$3,098,366,658.00
VA	110	\$193,696.00	2,502	\$6,947,992.00	6,246	\$20,818,032.00	1,003	\$3,222,162.00	9,861	\$31,181,882.00
Worker's Compensation	1,361	\$1,490,870.00	70,178	\$100,299,726.00	35,366	\$57,849,589.00	2,966	\$5,806,121.00	109,871	\$165,446,306.00
Other	1,413	\$2,125,912.00	5,350	\$14,434,428.00	1,628	\$5,212,142.00	798	\$2,976,431.00	9,189	\$24,748,913.00
TOTAL	1,445,115	\$1,705,577,748.00	2,538,762	\$5,520,796,568.00	1,113,575	\$3,047,919,086.00	694,774	\$2,202,218,978.00	5,792,226	\$12,476,512,380.00

Note: Numbers may not add to total due to unclassified records.

The total of ED visits that resulted in an inpatient admission was excluded.

Table 4.1 summarizes the charges for medical examination and emergency treatment provided at the emergency department. The charges for visits that resulted in an inpatient hospitalization in 2007 was over 1.9 billion dollars. *Medicare* patients (*group 65 & over*) accounted for the largest amount of the charges. The second largest amount of charges were patients ages 45 – 64 under *commercial insurance*. (Table 4.1)

Table 4.1
Patients admitted to Hospitals through the Emergency Department
by Principal Payer and Emergency Department Charges, 2007

Payer	0 - 17		18 - 44		45 - 64		65 & Over		TOTAL	
	Visits	Emergency Room Charges	Visits	Emergency Room Charges	Visits	Emergency Room Charges	Visits	Emergency Room Charges	Visits	Emergency Room Charges
CHAMPUS	1,253	\$1,321,290.00	3,434	\$4,149,922.00	7,067	\$9,012,573.00	373	\$493,110.00	12,127	\$14,976,895.00
Commercial Insurance	27,632	\$34,128,313.00	100,260	\$145,807,614.00	152,250	\$216,337,675.00	32,137	\$46,119,423.00	312,279	\$442,393,025.00
KidCare	1,207	\$1,352,661.00	185	\$220,528.00	66	\$73,225.00	10	\$17,482.00	1,468	\$1,663,896.00
Medicaid	42,226	\$52,263,560.00	66,084	\$88,105,040.00	57,212	\$81,905,075.00	8,900	\$13,973,393.00	174,422	\$236,247,068.00
Medicare	290	\$256,737.00	29,273	\$39,745,619.00	91,639	\$129,344,423.00	601,960	\$845,454,021.00	723,162	\$1,014,800,800.00
Other State/Local Government	651	\$901,492.00	7,848	\$13,144,517.00	9,918	\$14,564,838.00	2,573	\$3,696,824.00	20,990	\$32,307,671.00
Other	76	\$109,983.00	1,130	\$1,708,055.00	795	\$1,249,042.00	934	\$1,305,310.00	2,935	\$4,372,390.00
Self Pay & Charity	6,196	\$7,544,868.00	74,473	\$107,103,691.00	64,245	\$90,634,462.00	5,110	\$6,872,329.00	150,024	\$212,155,350.00
VA	30	\$39,209.00	715	\$1,172,080.00	4,500	\$7,004,938.00	1,545	\$2,281,831.00	6,790	\$10,498,058.00
Worker's Compensation	22	\$44,467.00	2,589	\$4,298,833.00	2,404	\$3,718,109.00	409	\$619,677.00	5,424	\$8,681,086.00
TOTAL	79,583	\$97,962,580.00	285,991	\$405,455,899.00	390,096	\$553,844,360.00	653,951	\$920,833,400.00	1,409,621	\$1,978,096,239.00

Note: Numbers may not add to total due to unclassified records.
Values represent only those charges for medical examinations and emergency treatment received at the emergency departments.

Table 5 displays the patient discharge status for 2007. Of the total discharges (7,201,847), 76.0% of the patients were released from the emergency department to home. However, 19.6% of the discharges resulted in an inpatient admission for further care.

Table 5
Emergency Department Discharges by Patient Discharge Status, 2007

<i>Discharge Status</i>	<i>Number</i>	<i>Percent (%)</i>
Home	5,472,540	76.0%
Patient visits to the emergency department that resulted in inpatient admissions	1,409,621	19.6%
Left against medical advice	194,328	2.7%
Short-term general hospital	43,234	0.6%
Another type of institution	41,609	0.6%
Skilled nursing facility	16,613	0.2%
Expired	12,069	0.2%
Intermediate care facility	9,717	0.1%
Hospice (Home / Medical facility)	1,073	0.0%
Inpatient rehabilitation facility	1,043	0.0%
Total	7,201,847	100.0%

Note: Numbers may not add to total due to unclassified records.

Table 6 displays the top 10 reasons for patients utilizing the emergency departments in 2007 that did not result in a hospitalization. Among all the causes, *fever*, at 4.4% was the number one reason why patients visited the ED. *Abdominal pain* accounted for the second reason at 3.7%, with 214,778 visits.

Table 6
Top 10 Reasons for Patients Visiting the Emergency Department, 2007

<i>No.</i>	<i>Reason</i>	<i>Total visits</i>	<i>Percent of Total Visits</i>
1	Fever	252,211	4.4%
2	Abdominal pain, unspecified site	214,778	3.7%
3	Cough	192,440	3.3%
4	Chest pain, unspecified	190,272	3.3%
5	Pain in limb	185,997	3.2%
6	Headache	174,101	3.0%
7	Abdominal pain, other specified site	136,924	2.4%
8	Injury of knee, leg, ankle, and foot	123,083	2.1%
9	Backache, unspecified	111,639	1.9%
10	Rash and other nonspecific skin eruption	110,608	1.9%
	TOTAL	5,792,226	100.0%

Note: Numbers may not add to total due to unclassified records.

CPT Evaluation and Management Codes are used to classify the patient's acuity level. The grouping of ED visits by acuity level utilizes the five "CPT Evaluation and Management Codes" as assigned to describe the initial condition of the patient. The codes currently run from 99821 (indicating the lowest level of patient management) to 99825 (the highest level of patient management). These codes can be classified into two categories: "Low Acuity" group which corresponds to "non-urgent" visits and "High Acuity" group which corresponds to "urgent" or "emergent" visits. The totals are based on those visits that did not result in an inpatient hospitalization. (Table 7 and Figure 5)

Table 7 represents the number of patients that visited the emergency department in 2007. Thirty two percent, the most frequent type of visitors (1,898,625) seen in the ED, were those patients with *moderate severity conditions*. The least frequent type of visits (389,204) were by patients with *high severity conditions that pose an immediate significant threat to life or physiologic function*, at 6.7%.

Table 7
Visits to the Emergency Department by CPT Evaluation and Management Codes, 2007

CPT Code	The Presenting Problem(s) is/are:	Visits	Percent
99283	Moderate severity	1,898,625	32.8%
99282	Low to moderate severity	1,448,931	25.0%
99284	High severity, and requires urgent evaluation by the physician but do not pose an immediate significant threat to life or physiologic function	1,057,481	18.3%
99281	Self limited or minor severity	787,511	13.6%
99285	High severity and pose an immediate significant threat to life or physiologic function	389,204	6.7%
Total		5,792,226	100%

Note: Numbers may not add to total due to unclassified records and/or codes.

Figure 3 represents the classification of the two categories of "CPT Evaluation and Management Codes" as follows:

Low-Acuity Group:

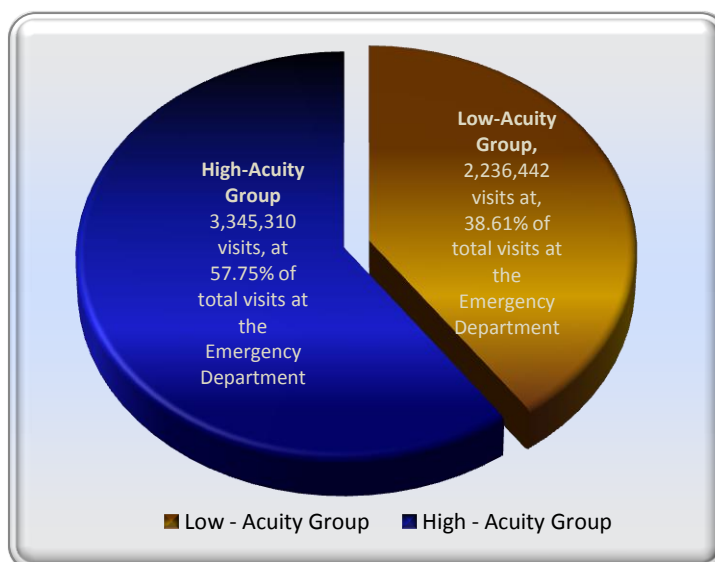
99281	Self limited or minor severity
99282	Low to moderate severity

High-Acuity Group:

99283	Moderate severity
99284	High severity, but do not pose an immediate significant threat to life
99285	High severity and pose an immediate threat to life

Overall, the *high-acuity group* represented 57.75% of the total visits received at the emergency department in 2007.

Figure 5
CPT Evaluation and Management Codes by Group, 2007



Note: Percent may not add to 100% due to unclassified records and/or acuity levels.

Table 8 and Table 8.1 display the ten top diagnoses (Information related to services performed during the patient's visit) for those visits without hospitalization and for those with hospitalization, respectively.

For visits without hospitalization, the top diagnosis was "*Acute upper respiratory infections, unspecified site*" with 120,295 total visits. However, "*Abdominal pain*" accounted for the highest charges in the Emergency Department (\$409,182,385.00). "*Urinary tract infection, site not specified*" had the second highest number of visits (105,370); conversely, the second highest charge was for "*Chest pain, unspecified*" (\$402,294,285.00).

Table 8
The Top 10 Principal Diagnosis Related to Services Performed During the Patient's Visit, 2007

No	Diagnosis	Visits	Percentage of Total Visits	Average Charges	Total Charges
1	Acute upper respiratory infections, unspecified site	120,295	2.1%	\$773.04	\$92,993,169.00
2	Urinary tract infection, site not specified	105,370	1.8%	\$2,656.36	\$279,901,001.00
3	Unspecified otitis media (Inflammation of the middle ear)	104,051	1.8%	\$605.31	\$62,983,026.00
4	Symptoms involving head and neck	103,373	1.8%	\$2,844.28	\$294,021,849.00
5	Abdominal pain, unspecified site	101,127	1.7%	\$4,046.22	\$409,182,385.00
6	Acute Pharyngitis	97,614	1.7%	\$805.64	\$78,641,867.00
7	Fever	90,948	1.6%	\$1,434.92	\$130,503,087.00
8	Chest pain, unspecified	86,185	1.5%	\$4,667.80	\$402,294,285.00
9	Other and unspecified noninfectious gastroenteritis and colitis	84,419	1.5%	\$2,470.27	\$208,537,678.00
10	Neck sprain	81,748	1.4%	\$2,467.63	\$201,709,299.00

The highest charges and number of visits that occurred among patients admitted in 2007 was for “*Congestive heart failure*” with 51,077 total visits and with a charge of more than \$1.7 billion. The second highest number of visits was for “*Pneumonia*” with 45,877 visits. On the other hand, the second highest emergency room charge was for “*Subendocardial infarction, initial episode of care*” with a total cost of more than \$1.4 billion.

Table 8.1
The Top 10 Principal Diagnosis for Emergency Department Visits
that Resulted in an Inpatient Admission, 2007

No	Diagnosis	Visits	Percentage of Total Visits	Average Charges	Emergency Room Charges
1	Congestive heart failure, unspecified	51,077	3.6%	\$34,351.19	\$1,754,555,749.00
2	Pneumonia, organism unspecified	45,877	3.3%	\$29,272.76	\$1,342,946,521.00
3	Chest pain, other (Discomfort, pressure, tightness)	44,274	3.1%	\$18,848.36	\$834,492,174.00
4	Coronary atherosclerosis of native coronary artery	25,043	1.8%	\$50,991.65	\$1,276,983,937.00
5	Urinary tract infection, site not specified	24,655	1.7%	\$22,064.18	\$543,992,311.00
6	Chronic bronchitis with (acute) exacerbation	24,480	1.7%	\$25,433.33	\$622,607,907.00
7	Subendocardial infarction, initial episode of care	23,826	1.7%	\$59,443.19	\$1,416,293,379.00
8	Acute renal failure, unspecified	23,389	1.7%	\$35,760.24	\$836,396,276.00
9	Syncope and collapse	21,920	1.6%	\$20,968.68	\$459,633,377.00
10	Atrial fibrillation	21,902	1.6%	\$25,649.40	\$561,773,076.00